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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/823,498	03/29/2001	Franco Iacobelli	NSC-P04896	6550

7590 11/04/2004  
WAGNER, MURABITO & HAO LLP  
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EXAMINER

LEE, MICHAEL

ART UNIT PAPER NUMBER

2614

DATE MAILED: 11/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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<p align="center"><b>Office Action Summary</b></p>	<b>Application No.</b> 09/823,498	<b>Applicant(s)</b> IACOBELLI ET AL.	
	<b>Examiner</b> M. Lee	<b>Art Unit</b> 2614	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 June 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 and 11-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-5,7-9,11-19,21-23,25 and 26 is/are rejected.
- 7) ☒ Claim(s) 2, 6, 9, 20, 24, 27 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshimi (5,959,685).

Regarding claim 1, Yoshimi discloses a character display apparatus showing a display 6 for displaying video signal received from a video processing circuit 3, which meets the displaying step as claimed, a character generating circuit 8 for generating character signals based on the control signal provided by sync separating circuit 4, which meets the requesting step as claimed, a line memory 9 functions as a FIFO memory (see col. 3, lines 53-56) for storing the character signals, which meets the receiving step as claimed, a multiplying circuit 10 for generating read out signal to line memory 9 in sync with the input video signal, which meets the aligning step as claimed, a combiner 5 for combining the video signal and the character signal to form a mixed signal, which meets the mixing step as claimed, and the display 6 displays the combined signals, which meets the displaying step as claimed. Since there are more than one lines of character signals in Yoshimi, the above steps are repeated for each line. Thus, the claimed repeating step is also met.

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Regarding claim 3, the signal generated by the sync separating circuit 4 in Yoshimi includes a retrace signal to indicate the beginning of an image to be shown on the display 6. The image signal in Yoshimi can be either a HDTV signal or a conventional signal, which also means a progressive mode or an interlaced mode.

Regarding claim 4, see col. 1, lines 16-39.

Regarding claim 5, see col. 1, lines 16-39.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7, 8, 19, 21-23, 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimi (5,959,686).

Regarding claims 7 and 8, Yoshimi does not specify the placing and alpha blending steps as claimed. The examiner takes Official Notice that using alpha blending and placing steps for combining two video signals together is well known in the art for its ability to mix two signals together with smooth transition. Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include a placing step and a alpha blending step into Yoshimi to perform the well known steps as claimed.

Regarding claims 19, 21, 22, 23, 25 and 26, in addition of above, Yoshimi does not specify the computer instructions as claimed. The examiner takes Official Notice

that using computer implementation of an electronic circuitry is well known in the art for its low cost in product and fast turn around time. Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement Yoshimi on a computer system so that both the cost of product and turn around time could be reduced.

***Claim Rejections - 35 USC § 112***

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 7, 8, 11-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 7, 8, 25 and 26, the term "said window" lacks proper antecedent basis.

In claim 11, line 5, the term "said source device" lacks proper antecedent basis.

***Allowable Subject Matter***

7. Claims 2, 6, 9, 20, 24, 27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. Claims 11-18 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

***Response to Arguments***

9. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number is 703-305-4743. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller, can be reached on 703-305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

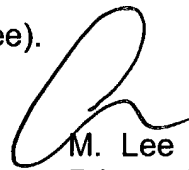
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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to be 'M. Lee', is positioned above the printed name.

M. Lee  
Primary Examiner  
Art Unit 2614